



DCTS-900

Wireless Handset



USER'S MANUAL

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WARNING

MobiCel Systems, Inc. doesn't represent this unit to be waterproof. To reduce the risk of fire, electrical shock, or damage to the unit, do not expose this unit to rain or moisture.

NICKEL METAL HYDRIDE BATTERY

WARNING

One Nickel Metal Hydride battery is provided with each handset. This battery may not be fully charged when received. Charge the battery before using the wireless handset. Refer to "Charging the Handset Battery" in the Installation section of this manual. The charging time is approximately one (1) hour.

**TO PREVENT FIRE OR SHOCK
HAZARD, DO NOT EXPOSE THE UNIT
TO RAIN OR MOISTURE.**

IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electrical shock, and injury to persons, including the following:

1. Read and understand all instructions.
 2. Follow all warnings and instructions marked on the product.
 3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a dry cloth for cleaning.
 4. Do not use this product near water; for example, near a sink or in a wet area.
 5. Do not place this product on an unstable cart, stand, or table. The telephone may fall, causing serious damage to the unit.
 6. To protect the product from overheating, do not block or cover any slots or openings
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-
- in the cell unit. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
7. This product should be operated only from the type of power source indicated on the marking label.
 8. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be damaged by persons walking on it.
 9. Do not overload wall outlets and extension cords, as this can result in the risk of fire or electrical shock.
 10. Never push objects of any kind into this product through the cell unit slots, as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock.
 11. To reduce the risk of electric shock, do not disassemble this product. Contact qualified service personnel when some service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the product is subsequently used.
 12. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power supply cord is damaged or frayed.
 - b. If liquid has been spilled into the product.
 - c. If the product has been exposed to rain or water.
 - d. If the product does not operate normally when following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may
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- result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
- e. If the product has been dropped or the cabinet has been damaged.
 - f. If the product exhibits a distinct change in performance.
13. Do not use the telephone to report a gas leak in the vicinity of the leak.

CAUTION

To reduce the risk of fire or injury to persons by the battery, read and follow these instructions:

- 1. Use only the appropriate type and size battery pack specified in this manual.
- 2. Do not dispose of the battery pack in a fire. Refer to the Installation section concerning proper battery disposal.
- 3. Do not open or mutilate the battery pack. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- 4. Exercise care in handling the battery in order not to short out the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.
- 5. Charge the battery pack provided with or identified for use with this product only in accordance with the instructions and limitations specified in the instruction manual provided for this product.
- 6. Observe proper polarity orientation between the battery pack and battery charger.

SAVE THESE INSTRUCTIONS

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PRODUCT SPECIFICATIONS

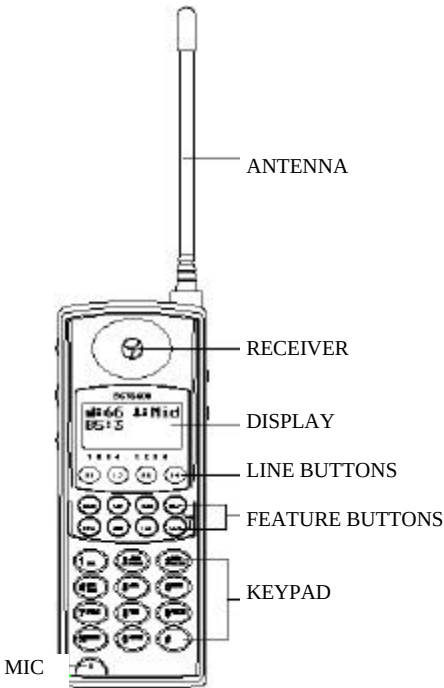
QUICK PROGRAMMING CARD

BATTERY CHARGER TEMPLATE

INTRODUCTION

1. Becoming Familiar With Your Handset

The DCTS-900 handset provides you with the most advanced technology and features such as conference, speed dialing, intercom and paging. Each handset has a display and various buttons as shown below.



Feature Buttons:

- MEM – for programming
- CID – for caller ID review
- ICM – intercom button
- HLD – hold button
- LNR – last number redial
- FLS – flash button
- CLR – clear button

FNC – function button

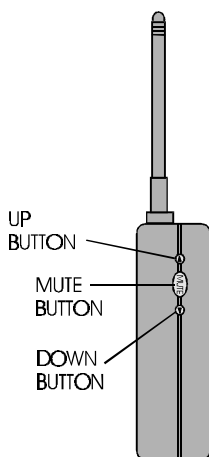
FNC + 1 – backspace

FNC + 2 – pause

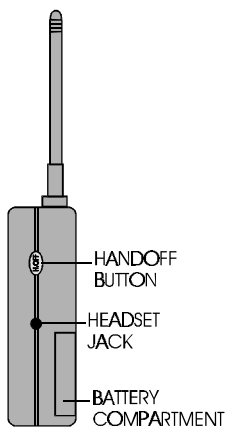
FNC + 3 – conference

FNC + 4 – do not disturb (DND)

There are feature buttons on both sides of the handset:



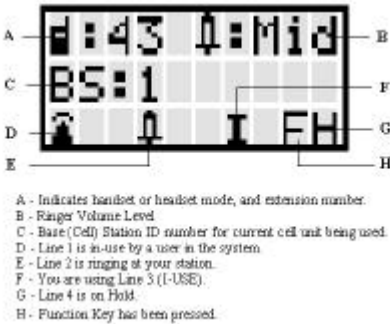
LEFT SIDE



RIGHT SIDE

2. The Display

The display provides valuable information concerning the status of the lines, station identification, ringer volume, etc.



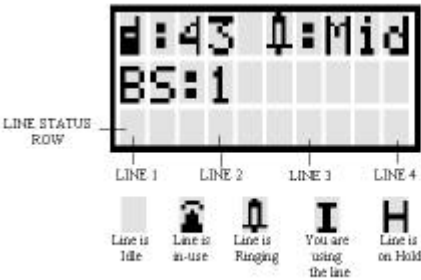
Other Symbols:



Row 1:

Ear Shape - indicates headset operation

Row 3 (line status):



General information shown on the display:

- The numbers you are dialing when you make a call (row 1).
- Your Handset ID number (appears next to the handset or headset shape in row 1).

-
- The Base Station ID number for the current cell being used. (appears next to “BS” in row 2).
 - The ringer volume level (“Low”, “Mid”, or “Hi” appears next to the Bell shape in row 1).
 - Call duration will appear next to the Base Station ID (on the right side of row 2).
 - “DND” replaces ringer volume level display when the Do Not Disturb feature is enabled (right side in row 1).
 - “F” will be displayed briefly to the left of the Line 4 Status when the  button is pressed.

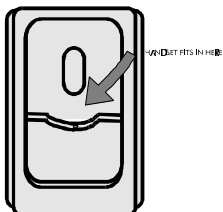
3. The Features

Your DCTS-900 system provides many features such as:

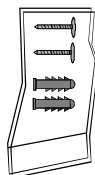
Four (4) CO Line/PBX Capacity
Tone/Pulse Dialing Modes
Speed Dialing (10 Numbers)
Last Number Redial
Intercom Calling
Paging
Conference
Call Forwarding (from console only)
Call Transfer
Hold
Flash
Pause
Push-to-Mute
Headset Compatibility
Automatic Roaming
Select Cell™ Hand-Off (for stronger signaling)
Smart Charge Monitors Battery Charge to
Prevent Overcharging
Optional Caller ID Integration
Hearing Aid Compatible

4. What's Included With Your Handset

Handset Battery Charger
"Fast Charger"



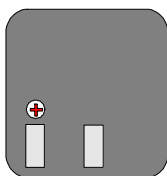
Wall Mounting
Screws & Anchors



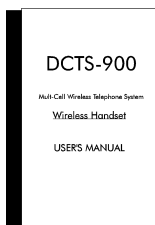
Power Adapter
For Charger



Nickel Metal Hydride
Battery



User's Manual



5. Other Optional Accessories

5.1 Caller ID Server

The Caller ID Server provides the DCTS 900 Wireless Handsets with Caller ID capability. The server enables the handsets to identify both the name and number (if provided by the telephone company) of a caller. Only one server is needed for each system. The server will store caller ID information for forty (40) calls received on any of four (4) caller ID lines.

You must subscribe to Caller ID service from your local telephone company.

5.2 DCTS 900 Wired Console

The following features are provided with the wired console telephone:

Handsfree Speakerphone
Supertwist 2 x 16 Dot Matrix Liquid Crystal Display
Four (4) CO Lines with Line Status Indication
Intercom with Direct Station Select Buttons
Line-In-Use Detection of Other Connected Telephones (fax, modem, etc.)
Speed Dialing (40 Number w/Shift Button)
Call Forward to Wireless Extensions or Other Console
Auto Busy Redial
Page
Toll Restriction
Privacy Release
Conference
Call Transfer
Delayed Ring
Optional Caller ID (Requires Caller ID Server)

5.3 Belt Clip

The optional belt clip can be installed on the back of the handset for carrying ease.

INSTALLATION

1. Site Planning

For optimum operation, site planning considerations are always important. Refer to the Installation section of the DCTS-900 Cell Unit User's Manual for site planning recommendations.

2. Configuration

The DCTS-900 system consists of a cell unit, wireless handsets, and answering positions (telephone consoles). Each cell unit provides two (2) talk channels for intercom and outside calls. A system may consist of one (1) to seven (7) cell units wired together to accommodate a maximum of sixty (60) wireless handset users!

3. Installing The Antenna

Place the antenna into the hole at the top of the handset. Screw the antenna into the handset until it is secure (do not overtighten).

4. Installing the Handset Battery Charger

You may choose from two (2) installation options:

- locate the charger on a desk or tabletop, or
- mount the charger on the wall.

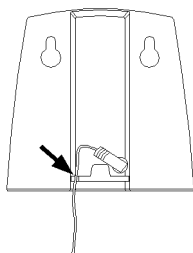
You will need to locate the charger near a standard 120V AC outlet. The power adapter used with the charger has an extended length cord (10 feet).

Note: Use only the AC power adapter provided with the charger.

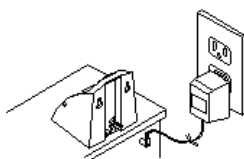


4.1 Desk/Tabletop Mounting

1. Plug the AC power cord into the back side of the charger. Route the cord through the channel.



2. Plug the AC power cord adapter into a standard 120V AC wall outlet. The red lamp located at the front of the charger will briefly light and then turn off.



3. Ensure that all cords are positioned to prevent tripping and rubbing which could create a potential electrical hazard.

4.2 Wall Mounting - Directly on the Wall

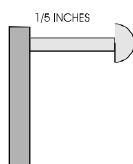
You will want to ensure the following:

- The location where the charger will be mounted should be away from electrical cables, pipes, or other items which may be punctured when the screws are inserted into the wall.
- The wall should be capable of supporting the charger weight.
- Use the screws and anchoring devices provided with the charger..

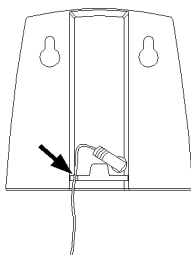
- The charger is located near an AC outlet.

A template is provided at the back of this manual to assist you with the installation of the charger unit directly onto the wall.

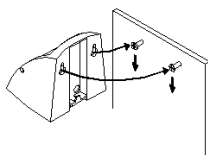
1. Insert the two (2) screws and anchoring devices into the wall 2 inches apart horizontally, allowing approximately 1/5 inch between the wall and screw heads for mounting the charger. Ensure that the screws are secure.



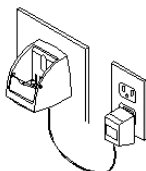
2. Plug the AC power cord into the back side of the charger. Route the power cord through the channel on the bottom of the charger.



3. Position the charger on the two screws in the wall and slide the charger downward to secure it to the wall.



-
4. Plug the AC power cord adapter into a standard 120V AC wall outlet. The red lamp located at the front of the charger will briefly light and then turn off.



Note: Use only the AC power adapter provided with the charger.



5. Ensure that all cords are positioned to prevent tripping and rubbing which could create a potential electrical hazard.

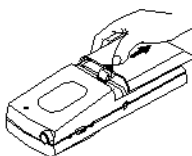
5. Installing/Changing the Handset Battery

Typically, the battery will last more than one year with normal charging and use.

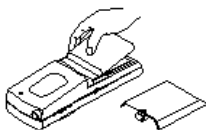
When you unpack your handset, the battery is installed backward in the handset battery compartment so it is not in use.

Note: When the battery is removed from the handset all programmable memory is retained.

1. Remove the battery cover located on the back side of the handset by pushing the cover in the direction of the arrow.



2. Install the battery by aligning the contacts on the battery with the contacts in the battery compartment.



3. Re-install the battery cover.

Optional (Reserve) Battery

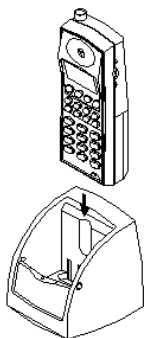
An optional Ni-MH battery can be ordered for your DCTS-900 handset. This battery can be charged in the combo charger while the handset is being used.



To Charge the Battery:

The “fast charger” will fully charge the battery in less than 2-1/2 hours.

1. Place the handset in the charging unit so the display and buttons are facing you. The charger lamp will light steady while the battery is charging. If the battery is extremely low, the lamp may not light immediately. When the battery is fully charged the lamp will flash.



-
2. Lift the handset from the battery charger. The lamp will turn off. Your handset is now fully charged and ready for operation.

6. Charging the Handset Battery

The handset includes an extended use Nickel Metal Hydride (Ni-MH) battery. The battery is located in the handset battery compartment.

Refer to section 5 to properly install the battery for operation. You may charge the battery while it remains in the handset. When you charge the battery ensure the following:

- Do not charge the battery for more than 24 hours since this may decrease the battery life.
- Do not charge the battery in temperatures below 32°F (0° C) or over 104°F (40°C).
- Do not charge the battery in direct sunlight or in high humidity.
- Only use the battery intended to be used with the wireless handset.
- Do not dispose of the battery in a fire. This may result in battery leakage or the battery may becoming hot and may cause personal injury.
- Do not short-circuit the battery. This may also result in battery leakage or the battery may become hot and cause personal injury.
- Do not attempt to disassemble the battery.
- Fully discharge the battery prior to long periods of disuse.

When the handset is in the standby mode the battery may remain charged for up to seven (7) days. The display will show “BATT” to indicate a low battery. During a telephone call, you will hear a *low battery* warning tone repeated every sixty (60) seconds. The battery talk time is approximately twelve (12) hours. Refer to the Product Specifications section at the end of this manual for further details concerning the battery.

Using the Power Down feature will prolong the life of the battery. Refer to section 8 in the Installation section of this manual for more information concerning this feature.

DISPOSAL OF NICKEL METAL HYDRIDE BATTERY

The Nickel Metal Hydride battery must be disposed of properly. In some areas the disposal of Nickel Metal Hydride batteries in household or business trash may be prohibited.

Do not handle a damaged or leaking Nickel Metal Hydride battery.

7. Standby Mode

Once you have installed the battery and it is charged, the handset remains in the standby (idle) mode. All functions are performed from the standby mode.

The display shows the following information in the standby mode.



8. Power Down/Power On Mode

You can place the handset in power down or “battery save” mode but you will not receive or be able to make calls. This mode preserves the battery and standby time.

To power down the handset, simply press and

hold  for about 2 seconds. You will

hear confirmation tone and the display will turn off.

In the Power Down mode, you will not hear any ringing when a call is received and the display will not show the status of the lines.

To power up the handset again, press and hold



until the display turns on.

9. Setting the Identification

Default Setting: 11

It is strongly recommended that you change the handset identification (ID) from the default setting on all handsets prior to complete system installation. This will eliminate the potential problem of interference which will occur when any two handsets are assigned the same ID.

While the handset is in the Standby mode;

1. Press and hold  to power up the handset.

2. Press . The display will show:



-
3. Dial  . The display will show:



(where xx is the handset ID number).

4. Dial a two-digit intercom station number (11-70).

For instance, if you dial 12 the display will show:



5. Press  . You will hear confirmation tone and the programming mode is terminated. The display will briefly show:



10. Setting the Ringer and Receive Volume

10.1 Ringer Volume

Default Setting: Mid Level

You may adjust the handset ringer volume to a low, medium, or high level. Each time the level is changed you will hear the new ringer volume setting. You may adjust the ringer volume while the handset is in the Standby mode, or during CO Line or intercom ringing.

While the handset is in the Standby mode the display will show the current ringer volume level setting. For instance, if the volume is set to the middle level the display will show:



Press  or  on the left side of the handset. The handset will briefly ring enabling you to hear the new setting and the display will also show the new setting.

If you are adjusting the ringer volume level while the handset is ringing, the display will not show the current or adjusted setting.

10.2 Receive Volume

You can adjust the receive volume during a call.

Press  or  on the left side of the handset during an intercom or CO line call (service will not be disrupted).

11. Assigning CO Line Ringing

Default Setting: All Lines Ring

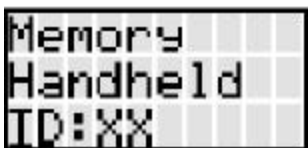
You may turn off the ringing of any of the lines at your handset.

1. Press.



- 2.

Dial



- 3.

Press



to select the first CO line.
The display will show:

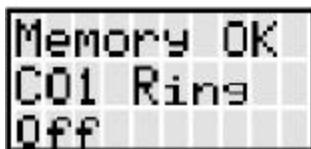


-
4. Dial any number on the dial pad to turn the ringing off for that CO line. (Dialing a number on the dial pad allows you to toggle between the “on” and “off” selections).

The display will show the following if you turn the ringing off for CO line 1:



5. Press . The display will show:



Repeat Steps 1 through 5 above to program the ringing for all four (4) lines. When you

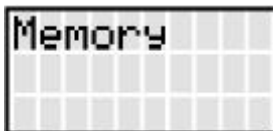
perform step 3, press  twice to program CO line 2; three times to program CO line 3, etc.

12. Adjusting the Ringer Tone Setting

Default Setting: Type 1

There are four (4) different ringing sounds you may select. The tone which you select will be applied to all four (4) lines and intercom ringing.

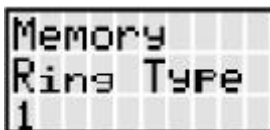
-
1. Press .



2. Dial .



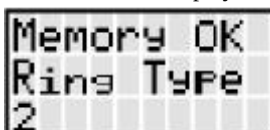
3. Press  until the display shows:



4. Dial a number (1-4) for a different ringing sound. You will briefly hear the ringing sound which you have selected and the display will also indicate which type you selected. For instance, if you selected type 2 the display will show:



5. Press . The display shows:



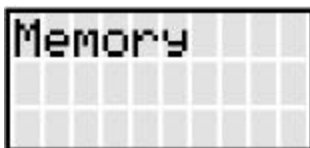
PROGRAMMING

13. Flash

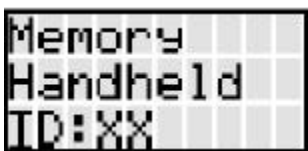
Default Setting: 0.6 seconds

The system Flash time for all handsets may be changed by any handset. The Flash time setting is adjustable from 0.1 second to 2 seconds.

1. Press



2. Dial



3. Press



until the display shows:



4. Dial the desired flash time (1 for 0.1 second, 2 for 0.2 seconds...0 for 1 second, * for 1.5 seconds, # for 2 seconds).

5. Press



. You will hear confirmation tone.

14. Speed Dial

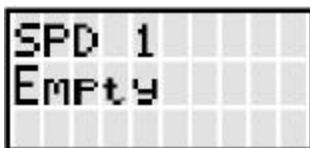
14.1 Storing a Telephone Number

You may store ten (10) frequently dialed numbers in speed dial memory.

1. Press . The display will show:



2. Dial the bin location(0-9) where you wish to store the number. The display will show:

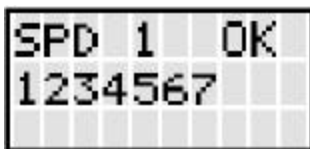


3. Dial the telephone number (up to 16 digits) to be stored. (To store a pause: Press FNC and dial 2. To store a flash: Press FLS. Dial * to store a pulse-to-tone switchover). If you incorrectly dial a digit, you can press



to backspace.

4. Press . You will hear confirmation tone and the display will briefly show the following display prior to returning to the Stand By mode.:



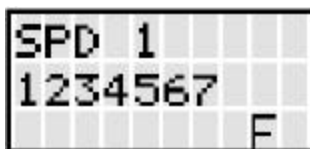
Note: You may also press  or  after step 1 or 2 to view the individual memory locations.

14.2 Storing the Last Number Redial Contents

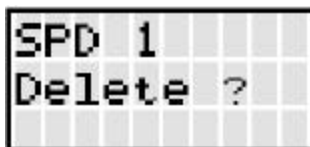
1. Press .
2. Dial the bin location where you wish to store the number.
3. Press .
4. Press .

14.3 Erasing the Contents of a Speed Dial Bin

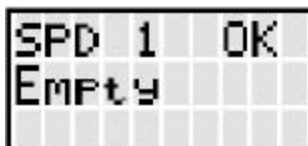
1. Press .
2. Dial the bin location you wish to erase.
3. Press . The display will show:



4. Press . The display will show:



-
5. Press  to erase the memory. You will hear confirmation tone and the display shows:



BASIC OPERATION

1. Making an Outside Call

Each cell provides two (2) RF links (paths) which will accommodate a maximum of two (2) calls (intercom and outside calls). A path must be available to make a call.

1.1 If a cell unit is available

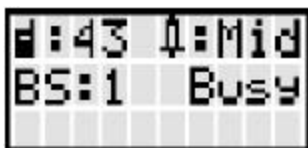
1. Press a line button.
2. Dial the telephone number. The display will show:



3. Press  to hang up when you've completed your call.

1.2 If a cell unit is busy

If the cell that you are accessing is busy when you attempt to access a line, you will hear a warning tone and the display will show the following:



2. Answering an Outside Call

1. Press the line button corresponding to the ringing line. The display will show:



2. Press  to hang up when you've completed your call.

Note: You may also dial any number on the keypad (0-9, *, #) to answer a ringing call. The call is answered according to the following priority: 1) Ringing Intercom Calls, 2) Transferred Calls, 3) CO Line Calls, 4) Hold Recall Calls. When you directly press the line button to answer a call, you override the answer priority.

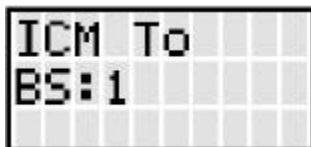
3. Making an Intercom Call

Each cell provides two (2) paths which will accommodate a maximum of two (2) calls (intercom and outside calls). A path must be available to make a call.

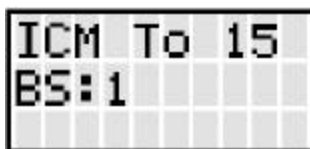
3.1 Calling an Idle Telephone

Let's assume you are Station 12 and you are calling Station 15;

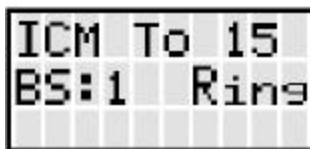
1. Press . The display will show:



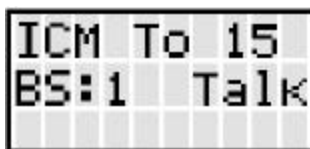
-
2. Dial the intercom number. For instance, if you dial intercom number 15 the display will show:



While the call is ringing at your station, the display will show:

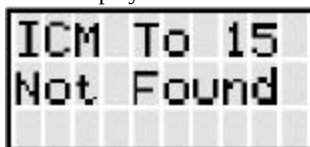


3. When the person you called answers your handset display will show:



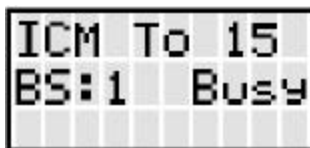
4. Press  to end the call.

Note: If you dial an intercom number that has not been assigned, or a number for a station which has lost its link to the system, your handset will display:



3.2 Calling a Busy Telephone

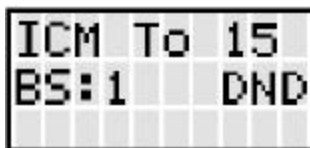
If the extension you are calling is busy, or if the cell cannot find an idle RF link (path) to connect the called extension, your handset display will show:



Note: The person you are calling will not receive any indication of the intercom call.

3.3 Calling a Telephone in Do Not Disturb

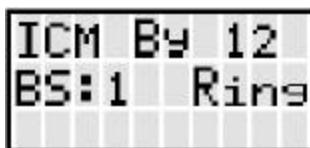
If the person you are calling has their telephone in DND your handset display will show:



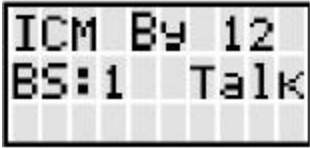
Note: The person you are calling will not receive any indication of the intercom call.

4. Answering an Intercom Call

For example, if Station 12 is calling you, your handset will ring and the display will show:



Press  (or any key on the keypad) to answer the intercom call. Your handset will display:



ICM By 12
BS:1 Talk

5. Placing a Call on Hold

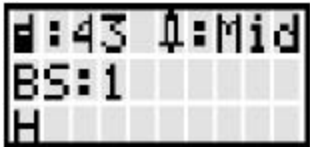
While on a call;

1. Press . The display will briefly show:



TRNF To
BS:1
H

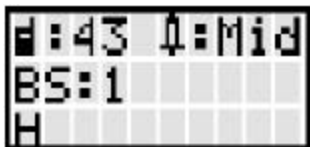
2. Wait for 8 seconds or press  if you want to make an intercom call without transferring the line. The display will change to:



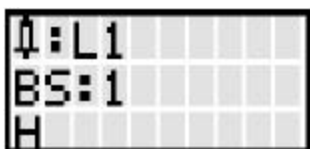
d:43 Q:Mid
BS:1
H

6. Retrieving a Call on Hold

The display will show the following when a call is placed on Hold:



After a call has been placed on Hold for 1 minute, the system sends a brief reminder tone to all of the handsets. The display will show:



Press the line button corresponding to the holding line. The display will show:

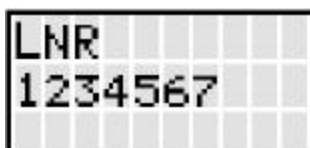


Note: You will hear a call waiting triple tone when you are on the line and receive the Hold Reminder ring.

7. Last Number Redial

To dial the last number dialed from the telephone:

1. Press  to review the number first.
The display will show:



2. Press  a line button and the number is automatically redialed.
3. Press  to end the call.

8. Muting a Call

The Mute feature turns off the telephone microphone so the distant party cannot hear you or to block out background noise momentarily.

The  button is located on the left side of the handset.

While on a line;

1. Press and hold . The display will show:



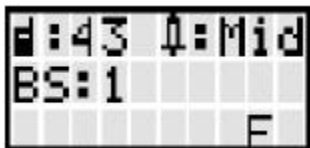
2. Release  to deactivate the feature.

9. Do Not Disturb

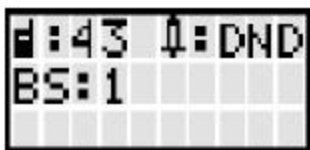
You may use the DND feature to avoid telephone interruptions. When activated, you will not hear incoming ringing.

While the telephone is idle;

1. Press . The display shows:



2. Dial  to activate DND. The display shows:

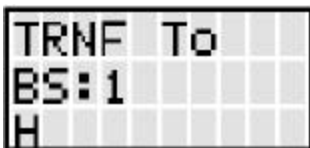


Note: Follow Steps 1 and 2 above to also deactivate DND.

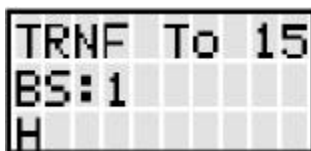
10. Transferring a Call

While on a call;

1. Press . The display will show:



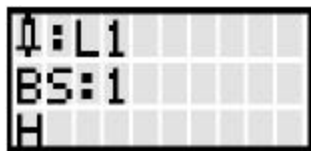
-
2. You have 10 seconds to dial the station number where you wish to transfer the call. Let's assume the call is transferred to Station 15. The display will show:



Note: You do not have to find an available intercom or RF link (path) to transfer ringing to another party.

11. Receiving a Transferred Call

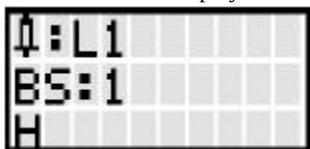
If you are not using your telephone, you will hear transfer ringing and your handset display will show:



Note: If you are talking on your telephone you will hear a camp-on triple tone when you receive transfer ringing. Multiple lines can be camped-on to your busy handset. When you hang up, the camped-on line will ring at your handset.

12. Receiving a Transfer Recall

If a transferred call is not answered within one (1) minute, the call will recall to all the handsets. The handset display will show:



Press the line button corresponding to the recalling line (or press any key on the keypad).

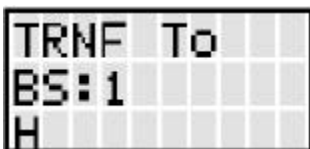
13. Conferencing

A three-way conference call may consist of two (2) outside lines or one (1) outside line and two (2) stations.

13.1 Conferencing Two (2) Outside Lines

While on a call on the first line;

1. Press . The first line is placed on Hold and the handset display shows:



2. Press a second line button.
3. Dial the telephone number for the second party.

4. Press . The display will show:



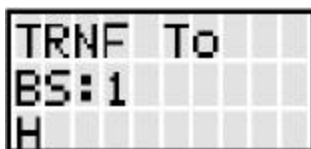
5. Dial  to conference the two lines together with your extension. The display will show:



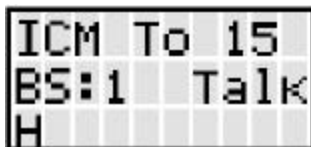
13.2 Conferencing One (1) Outside Line and Two (2) Stations

While on a call on the first line;

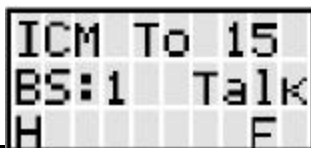
1. Press . The first line is placed on Hold and the handset display shows:



2. Press .
3. Dial the intercom number for the other internal party. Your handset display will show:



4. Press . The display will show:



-
5. Dial  to establish the conference.

14. Using the Flash Button

You may use Flash instead of pressing the hookswitch to access custom calling features provided by your telephone service such as call waiting, 3-way calling, etc.

While on a line;

1. Press  to obtain new dial tone.
Dial the new telephone number or service code

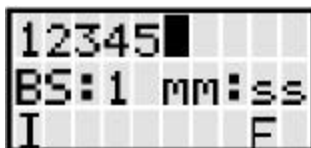
15. Using the Pause Feature

You may use the Pause feature to insert a delay in a dialing sequence which may be needed to access certain banking and long distance services. Each pause is 3 seconds. You may

press   repeatedly to create a longer delay. A pause can be stored in speed dial memory.

While on a line;

1. Dial the numbers prior to the pause.
2. Press . The display will show:



-
3. Dial  to insert a pause. The display will show:



4. Dial the remaining numbers after the pause. The display will show:



16. Speed Dialing

16.1 Dialing a Number Stored in Speed Dial

1. Press a line button.
2. Press .
3. Dial the bin location where the number is stored. The telephone automatically dials the number and the display shows:



16.2 Reviewing a Number Stored in Speed Dial

You may review the contents of the speed dial bins without actually dialing the telephone numbers.

1. Press .

-
2. Dial the bin location which you wish to review.

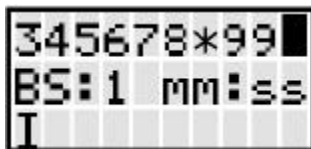
If you wish to dial the number after reviewing it, simply press any idle line button.

17. Tone Dialing

If you have pulse dialing service you may need to access a computer or calling services that use tone dialing.

While on a line;

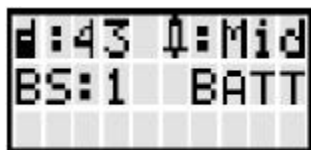
1. Dial the telephone number in pulse mode.
2. Dial  TONE to change to the tone dialing mode.
3. Dial the remaining numbers to be dialed in the tone mode. The display will show:



Note: When you hang up the telephone will return to the pulse dialing mode.

18. Battery Low Warning

While you are using the handset, if the handset battery becomes weak you will hear a warning tone every minute and the display will show:



You must recharge the handset or install a fully charged battery.

19. Handset Auto Roaming

While the handset is idle and you move between cell coverage areas, the handset will automatically switch to the cell with the stronger signal.

20. Handset Forced Roaming

You may press  (located on the right side of the handset) to force the handset to switch to another cell.

While on a call, press the  button. The system will automatically select another available cell unit.

21. Call Handoff

While on a call, if the handset is too far from the cell unit or if you hear noise on the channel, you can “handoff” the outside call to another cell unit for better voice quality and extended coverage.

Press the  button on the right side of the handset to switch to another cell unit. Your handset switches to another cell in less than one second. However, you may still want to ask the other party to pause speaking for a few seconds during the switch.

Note: If there is only one cell unit on the system, or the other cell unit is busy, the initial cell will be selected. However, if the handset is too far from any cell unit the call will be placed on Hold automatically.

Note: Intercom calls cannot be “handed off”.

22. Out of Range Signal

You may hear a signal (out of range warning signal) repeated whenever the handset is too far from the cell unit. The display will show:



If you remain out of range for more than 3 seconds the handset will preserve your call by placing it on Hold for 15 seconds. Within that 15 seconds, if you move back into range the system will automatically reconnect you with the outside caller. However, if you do not move back into range within the 15 seconds the call will be disconnected.

Whenever an Out of Range situation occurs, move closer to the cell to ensure that you are within range and to maintain a clear conversation. You may also have the option of handing the call to another cell.

23. Using a Headset

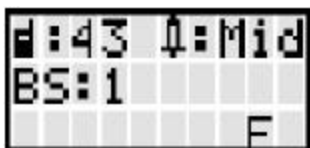
You may plug a headset into the headset jack

located below the  button on the right side of the handset. When you enable the headset, the handset microphone will be automatically muted.

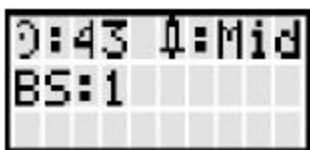
23.1 To Enable the Headset

While the handset is idle or in the Talk mode;

1. Press . The display will show:



2. Dial  to activate the headset. The display will show:



23.2 To Disable the Headset

1. Press .
2. Dial  to deactivate the headset.

Note: To adjust the headset volume, refer to section 10.2 in the Installation section.

CALLER ID OPERATION

Your system must be equipped with a 4-Line Caller ID Server to interface with the caller ID service provided by your telephone company.

1. Setting the Area Code

Default: empty

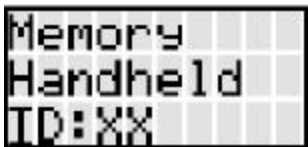
When you receive a local call from a person with your same home area code, the telephone will not store the area code. This feature will enable you to redial the caller in the future, if desired.

1.1 To Program the Area Code

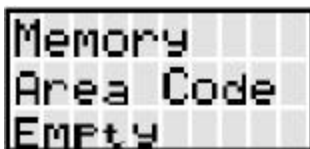
1. Press . The display shows:



2. Dial . The display shows:



3. Press  or  until the display shows the following:



-
4. Dial the 3-digit area code. For example, let's use "123" as the area code to be programmed.

5. Press . The display shows:

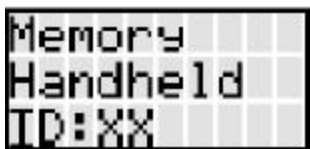


1.2 To Erase the Programmed Area Code

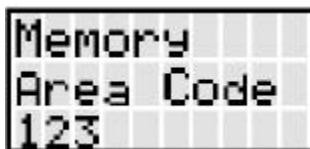
1. Press . The display shows:



2. Dial . The display shows:



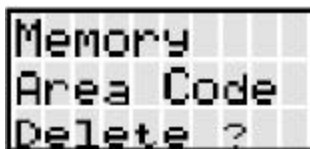
3. Press  or  until the display shows the following:



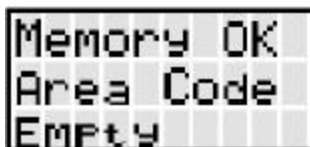
-
4. Press . The display will show:



5. Press . The display will show:



6. Press . The display shows:



2. Receiving a Call

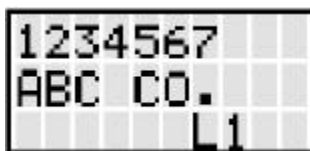
You will need to subscribe to the Caller ID service from your telephone company to receive caller ID information.

When a call is received, the display will show the name and number of the caller, and the date and time the call is received. Some telephone companies send both the name and number of the caller. Other telephone companies may only provide the number of the calling party.

Note: When the DCTS-900 system is connected behind a PBX or key system, the caller ID features cannot be used.

2.1 Receiving a Name and Number Call

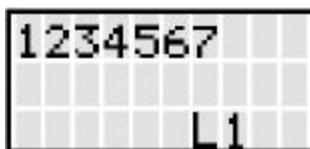
The display will show:



Where: 1234567 is the number of the caller
ABC Co. is the name of the caller
L1 is the ringing line number

2.2 Receiving a Number Only Call

The display will show:



2.3 Receiving a Blocked Call

Sometimes a caller will prevent his/her number from being displayed on your telephone:



2.4 Receiving a Call from Outside the Calling Area

If a caller is outside of your Caller ID area:



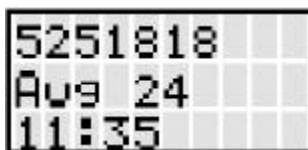
3. Reviewing a Call

3.1 While the Telephone is Idle

1. Press .
2. Press  to review the CID information for the most recent call received. (Allow approximately 2 seconds for the call to be displayed).

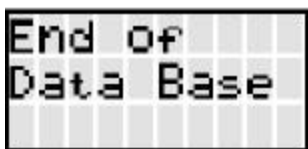


3. Dial any key or press  to review the telephone number, and date and time the call was received. The time is displayed in 24-hour format (i.e. 3 pm is displayed as 15:00).

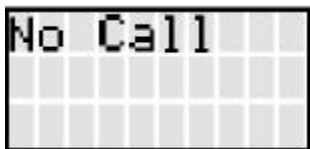


4. Press  to review calls from most recent to oldest call received.

Note: When you reach the end of the caller ID list the display will show:



If there are no calls in the caller ID memory the display will show:



3.2 While Two Lines are Ringing

If two lines are ringing simultaneously you may review the caller ID information for each line.

The display will first show the caller ID information for Line 1 (or if you are currently

on a line, press  to review the caller information for Line 1):

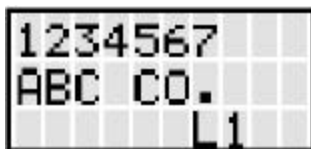


1. Press  to review the caller ID information for Line 2:



2. Press  to return to the standby mode.

-
3. Press  to review the caller ID information for Line 1 again:



Note: Information for a maximum of forty (40) calls will be maintained. If more than 40 calls are received the newest call received replaces the oldest call in the list.

4. Dialing a Telephone Number

The area code must be programmed to use this feature. Refer to section 1 in the Caller ID Operation section to program the area code.

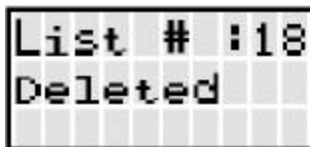
1. Press .
2. Press  to display the most recent call received.
3. Press  until the desired telephone number is displayed.
4. Press a line button.
5. Press  and the handset will automatically dial the telephone number.

Note: If you are dialing a long distance telephone number, dial  prior to Step 5.

5. Erasing a Call

1. Refer to section 3 of the Caller ID Operation section to display the call that you want to erase.
 2. Press .
-

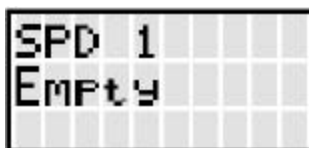
-
3. Press . The display will show:



6. Storing a Call in Speed Dial

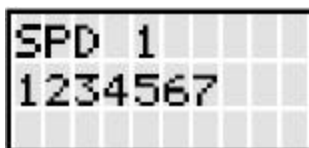
1. Refer to section 3 of the Caller ID Operation section to display the call that you want to store.

2. Press .

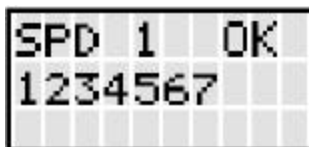


3. Dial the bin location(0-9) where you wish to store the number.

4. Press . The display will show the number that you want to store:



5. Press . The display will show:



OTHER SYSTEM **FEATURES**

DCTS 900 WIRED TELEPHONE OPERATION

You may page a DCTS 900 wired console using the wireless handset.

1. Paging

1.1 To Page a DCTS 900 Wired Console Using the Handset

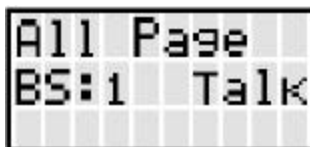
Let's assume that your handset is station 12 and you want to page DCTS 900 Wired Telephone Station 15:

1. Press .
2. Dial the intercom number. You will hear tone ringing.
3. Press  again to change the intercom ring to a voice paging call.
4. Press  to end the page.

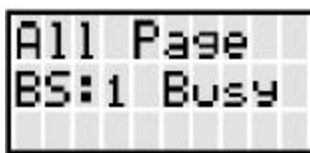
Note: If you want to return to intercom ringing, simply press  again.

1.2 To Voice Page All DCTS 900 Wired Consoles Using the Handset

1. Press .
2. Dial . If the intercom path is available, your handset will display:



If the intercom path is busy, your handset will display:



PRODUCT SPECIFICATIONS

The *MobiCel DCTS-900* Digital Wireless Office Communications System can be installed behind any PBX, or as a stand alone SOHO (small office home office) application with MobiCel Executive Speakerphones.

Capacity

System Capacity: 7 Digital Cell Units (DCU)
60 DCTS-900 Handsets
12 Executive

Speakerphones

1 Inter-Cell Intercom Link
4 CO/PBX/Centrex Lines

DCU Capacity: 2 RF Talk Links
4 CO/PBX/Centrex Lines
2 Intra-Cell Intercom Links
60 DCTS-900 Handsets

Security Codes: 3-7 million

Coverage

Cell Coverage: Indoor up to 30,000 sq.ft.
Outdoor 300-500 ft.(line of sight)

Multi-Floor: 1-7 Floors

DCTS-900 HANDSET

Physical: Belt clip holster options,
external headset option

Power: Nickel-Metal Hydride
Battery 1200mA/Hr

RF: 902-928MHz TDMA

LCD:	3 x 10 Alpha-Numeric
Headset Jack:	2.5mm
Function Keys:	Side Mount: Push-to-Mute Volume Up & Down, Hand-Off Other: Intercom, Function, Memory, Flash, CO Line 1/2/3/4, Hold/Xfer
Dial Keys:	12 Keys, continuous DTMF
Talk Time:	8+ hours
Standby Time:	7 days
Dimensions(case):	154 mm tall 57 mm wide 36 mm deep
Weight:	6.1 oz without battery 8.9 oz with battery

Specifications, features, and availability of optional accessories are all subject to change without prior notice.

QUICK PROGRAMMING CARD

To program: _____ Code Sequence:

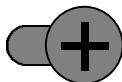
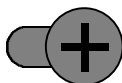
- | | |
|----------------|------------------------------|
| ■ Speed Dial | MEM, bin, number, MEM |
| ■ Handset ID | MEM, *, ID, MEM |
| ■ Ringing | MEM, *, ▼, key, MEM |
| ■ Ring Tone | MEM, *, ▼, (1-4), MEM |
| ■ Flash Timing | MEM, *, ▼, (0-9), MEM |
| ■ Area Code | MEM, *, ▼, area
code, MEM |

Remember to continue to press ▼ until the
desired programming field is displayed.

To program: _____ Code Sequence:

- | | |
|---------------------|----------|
| ■ Erase Memory | FNC, CLR |
| ■ Review Calls | FNC, CID |
| ■ Backspace | FNC, 1 |
| ■ To insert a Pause | FNC, 2 |
| ■ Conference | FNC, 3 |
| ■ DND | FNC, 4 |
| ■ Headset Mode | FNC, 5 |

BATTERY CHARGER WALL MOUNTING TEMPLATE



Mobicel Systems, Inc.
PHD9400A